

M 5.5, 21 km SSW of Mandrki, Greece

Origin Time: 2021-06-21 22:14:13 UTC (Tue 01:14:13 local)

Location: 36.4246° N 27.0545° E Depth: 10.8 km

Created: 1 week, 2 days after earthquake

Estimated Fatalities



Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses

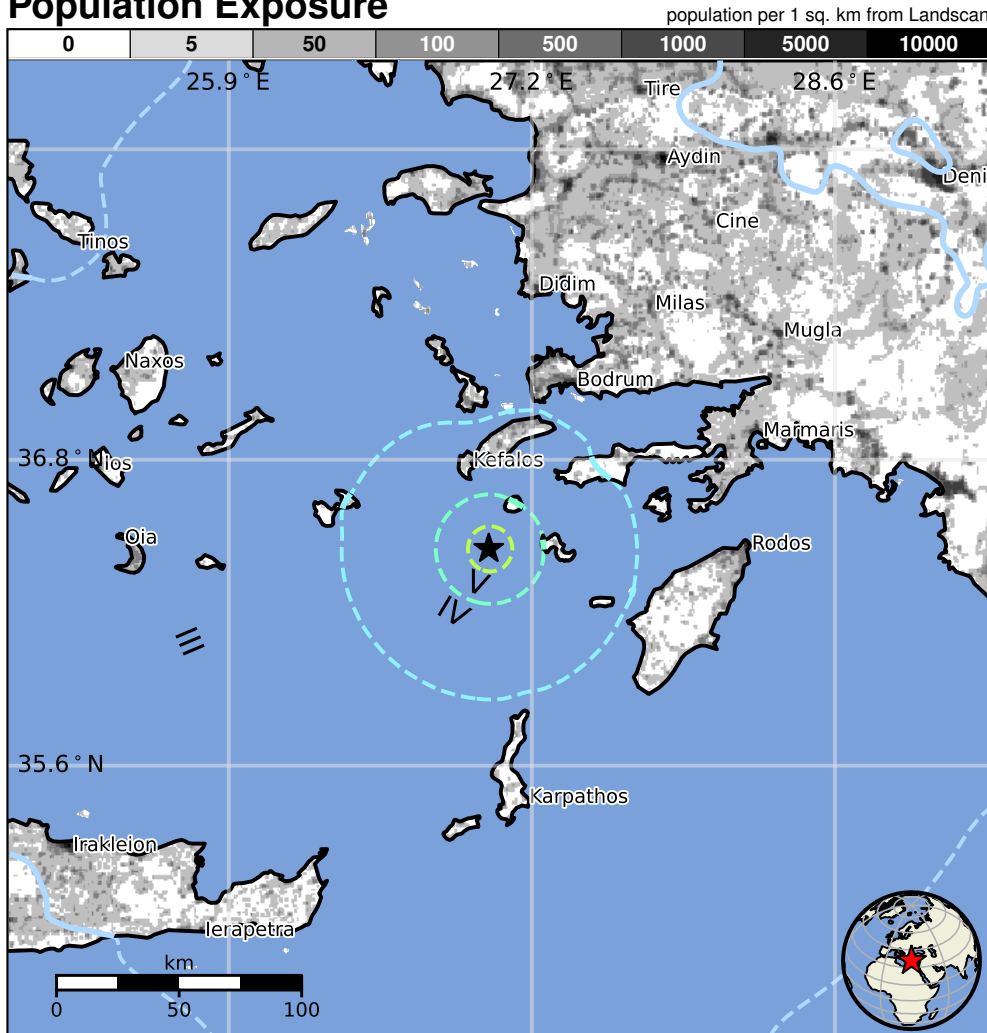


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	3,881k	49k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are adobe block and dressed stone/block masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1981-03-07	382	5.4	VI(426k)	1
2002-01-21	256	4.8	VI(97k)	1
1970-03-28	375	6.9	IX(66k)	1k

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
V	Mandraki	1k
IV	Megalochorio	<1k
IV	Kefalos	3k
IV	Antimacheia	2k
IV	Kardamaina	2k
IV	Kos	19k
III	Mugla	48k
III	Aydin	163k
III	Irakleion	137k
II	Denizli	313k
II	Ermoupolis	11k

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000ef1g#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000ef1g